

Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with **Attorney Sid Bennett Reg. No. 53,981** on **Feb. 28th 2008** along with authorization to charge any necessary fees to applicant's deposit account.
3. The application has been amended as follows:

A) Replace claim 13 of the October 23rd 2007 amendment and response with the following Examiner amended claim 13:

Claim 13 ---An amplifier, comprising:

an output stage adapted to connect to an electrical energy source;

a compensation device adapted to connect to the electrical energy source and to measure a first parameter value and to output at least one compensation signal; ~~and~~

a control device,

wherein the control device accepts at least one compensation signal as an input, and controls the output stage by a control signal output; and

wherein the output stage of the amplifier permits supply-voltage-dependent, output-current-regulated amplification that employable in a gradient amplifier of a gradient coil in a magnetic resonance system. ---

B) Replace claim 20 of the October 23rd 2007 amendment and response with the following Examiner amended claim 20:

Claim 20 --- A magnetic resonance system having an amplifier, comprising:

an output stage adapted to connect to an electrical energy source;

a compensation device adapted to connect to the electrical energy source and to measure a first parameter value and to output at least one compensation signal; and

a control device, wherein the control device accepts at least one compensation signal as an input, and controls the output stage by a control signal output; and

wherein the output stage of the amplifier permits supply-voltage-dependent, output-current-regulated amplification employable in a gradient amplifier of a gradient coil in the magnetic resonance system. ---

C) Replace Claim 21 of the October 23rd 2007 amendment and response with the following Examiner amended claim 21:

Claim 21 --- A method ~~for~~ **of** controlling an amplifier having an output stage which is supplied by an electrical energy source, the method comprising:

ascertaining a first parameter value of the energy source;

generating a compensation signal as a function of the first parameter value; ~~and~~

generating a control signal as a function of the compensation signal, wherein the output stage generates an output signal as a function of the control signal; and

wherein the method of controlling the output stage of the amplifier permits supply-voltage-dependent, output-current-regulated amplification employable in a gradient amplifier of a gradient coil in a magnetic resonance system. ---

The following is an examiner's statement of **Reasons for Allowance**:

4. With respect to **Amended independent claims 13, 20, and 21**: These claims are considered to be allowable over the prior art of record because the prior art of record neither discloses nor suggests an MRI amplifier/method comprising the limitations as set forth by applicant which **the output stage of the amplifier permits supply-voltage-dependent, output-current-regulated amplification that may be employable in a gradient amplifier of a gradient coil in a magnetic resonance system, where a coil current changes rapidly with time, in order to generate rapidly changing magnetic gradient fields**” in combination with the remaining limitations of each of the claims. It is the entire combination of the claim limitations taken as a whole that constitutes both the novelty and non-obviousness of applicant's claims.
5. With respect to **dependent claims 14-19, and 22-26**: These claims are considered to be allowable over the prior art of record because they each depend from an allowable independent claim.
6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Examiner's Comment

Continued Examination Under 37 CFR 1.114

7. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this

application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 10/23/2007 has been entered.

Priority

8. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Drawings

9. The drawing corrections submitted with the June 29th 2007 amendment and response are approved by the examiner.

Prior Art made of Record

10. The **prior art made of record** and not relied upon is considered pertinent to applicant's disclosure.

A) Lenz US patent **6,448,775 B1** issued **September 10th 2002**, filed December 9th 1999.

Conclusion

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tiffany Fetzner whose telephone number is: (571) 272-2241. The examiner can normally be reached on Monday, Wednesday, and Friday-Thursday from 7:00am to 2:10 pm., and on Tuesday and Thursday from 7:00am to 5:30pm.

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12. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Dean Reichard**, can be reached at (571) 272-1984. The **only official fax phone number** for the organization where this application or proceeding is assigned is **(571) 273-8300**.

13. Information regarding the status of an application may be obtained from the Patent Application information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PMR or Public PMR. Status information for unpublished applications is available through Private PMR only. For more information about the PMR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PMR system contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/TAF/
March 11, 2008

/Brij B. Shrivastav/
Primary Patent Examiner
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